

Nº

July 28<sup>th</sup> 1893  
to  
Aug. 2<sup>nd</sup> 1893.

---

Hyd 3307 to 3343.  
D' 3503 to 3515

51  
16.2  
40  
20.2

1.20  
3.20  
3.20

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

57° 06' 15" N 170° 11' N

No. 273503 Date July 28/93.

Tanner Machine. Reel.

Turns 17 Cor. + Depth 17 fms

Shot or lead 25 lb

Bottom fine bk S & gn Shale M.

Bottom temperature 38

No. of thermometer 61758 Cor. - 0.1

Corrected temperature 37.9 2/10

Air 54 Surface 43 Drift N.E. & E. 1/2 E.

Trawl or dredge Small. with weight.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Am DOWN.	Am UP.		Am DOWN.	Am UP.
10.44.18.	45.38	0	10.48.38	11.02.20
44.49	10.45.03	45	50.25	10.59.50
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put 6 hand lines over port side for 10 minutes.

Caught: -, nothing.

O'Log 9815

Drift .8 mile on N.E.-E & E (onag)

Next Nos  
 3503-  
 Hyd- 3307-

2500  
 2600  
 2700  
 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-25	41 1/2	61755	-0.0	41.5
10-50	42 1/2	63903	-0.2	42.3
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

1 Sand dollar  
 1 Phoronip.

*F.H.H.*  
 57° 03' N 169° 54' W

No. 3307 Hyd Date July 28, 1893  
 Tanner Machine. Reel.

Turns 34 Cor. + 1' Depth 35

Shot or lead 25 lbs

Bottom fine gy S

Bottom temperature 42

No. of thermometer 61758 Cor. - 0.1

Corrected temperature 41.9

Air 50 Surface 44 Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i> 12-27-58	25	0		
28-30	12-28-35	34 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

595-13  
 34  
 558

*Log 8.9*  
*Put over 7 haul lines at 12:04 PM*  
*Fished 20 minutes. Caught — Nix.*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

56° 57' N 169° 27' W

No. 3504 Dr. Date July 28, 1893  
Tanner Machine. Reel.

Turns 33 Cor. + 1 Depth 34

Shot or lead 25

Bottom fine gy S. blk sp.

Bottom temperature 37.9

No. of thermometer 61758 Cor. - 0.1

Corrected temperature 37.8

Air 54 Surface 45 Drift 2' N E

Trawl or dredge large beam (Mag)

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
2-20-30	24-30	0	2-40-30	59-45
53	2-24	33	44-25	2-56
		400 60		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

P.L. 25.6  
Put over 8 lines for 14 minutes  
caught.



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	43.6	69480	-0.1	43.5
10 50	36.4	61596	+0.2	36.6
20 100	36.5	61708	-0.1	36.4
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

1 jar sponge 1/2 jar starfish 1/2 jar scapharian  
 1/2 " sand dollars 1/2 jar ascideans 1/2 jar  
 live shells, 1 small bot hermit crabs  
 1 bot shrimp, 3 bot bryozoa & hydroids  
 1 " polychaetes, 1 vial worms, 1 vial  
 crustaceans, 1 bot small crabs  
 1 bot small fish, 1 vial fish, 1 flounder  
 1 sculpin, 1 crab (large)  
 many starfish & astrophyltons  
 5 large clam shells

1507. 57° 03' N 168° 52' W

No. 3308 Hyd Date July 28<sup>th</sup> 1893  
Tanner Machine. — Reel.

Turns 42 Cor. + 1 Depth 43 fms.

Shot or lead 25.

Bottom gy. S. Sh.

Bottom temperature 37.6

No. of thermometer 61755 Cor. —

Corrected temperature 37.6

Air 50 Surface 45 Drift No.

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-18-40	21-00	0		
19-30	5-19-40	(42) 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put over 7 hours. hris on post side for 14 minutes.  
caught: —, nothing.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 <del>25</del>	45.2	69480	-0.1	45.1
10 <del>50</del>	45.6	61755	-0.0	45.6
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. *W. H. C. 57-09-1. 188° 17' 11"*

No. *57-09-1* Date *9/11/00*

*Sigsbee* Machine. Reel.

Turns *43* Cor. + *1* Depth *44 fms*

~~Shot~~ or lead *25 lbs*

Bottom *fine gy s*

Bottom temperature *38.1*

No. of thermometer *63902* Cor. *-*

Corrected temperature *38.1* *5/10'*

Air *46* Surface *44* Drift *E. N. E.*

Trawl or dredge *Long Beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.55</i>	<i>36.13</i>	0	<i>8-12-00</i>	<i>38-00</i>
<i>7.56</i>	<i>36.14</i>	100	<i>16-58</i>	<i>35-15</i>
		150	<i>18-01</i>	<i>3-55</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	45.2	61751	-0.1	45.1
10 50	45.0	61755	-0.0	45.0
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000	2 000 -			

REMARKS:

1. Jan. 1881. 1. Jan. 1881. 1. Jan. 1881.  
 2. Jan. 1881. 2. Jan. 1881. 2. Jan. 1881.  
 3. Jan. 1881. 3. Jan. 1881. 3. Jan. 1881.  
 4. Jan. 1881. 4. Jan. 1881. 4. Jan. 1881.  
 5. Jan. 1881. 5. Jan. 1881. 5. Jan. 1881.  
 6. Jan. 1881. 6. Jan. 1881. 6. Jan. 1881.  
 7. Jan. 1881. 7. Jan. 1881. 7. Jan. 1881.  
 8. Jan. 1881. 8. Jan. 1881. 8. Jan. 1881.  
 9. Jan. 1881. 9. Jan. 1881. 9. Jan. 1881.  
 10. Jan. 1881. 10. Jan. 1881. 10. Jan. 1881.

57° 10' N. 167° 12' W.

No. 3302 Date 11.6.28

Barrel Machine. Reel.

Turns 40 Cor. + 1 Depth 41 fms -

Shot or lead 25

Bottom gy. S.

Bottom temperature 36.0

No. of thermometer 61755 Cor. -

Corrected temperature 36.0

Air 45 Surface 43 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

10-55-15 57.30  
56.00 10-56-15

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 <del>25</del>	42.0	63402	-0.1	41.9
10 50	42.0	69480	-0.1	41.9
20 100	35.0	62915	-0.2	34.8
30 200	38.5	61755	-0.0	38.5
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

57° 21' N, 167° 05' W

No. 3310 Date July 5, 1893  
 Tanner Machine. Reel.

Turns 32 Cor. + 1 Depth 33

Shot or lead 25

Bottom gy. bk. S

Bottom temperature 35.0

No. of thermometer 61755 Cor. -0.0

Corrected temperature 35.0

Air 45 Surface 42 Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-21-05	35.0	0		
27-25	1-24-15	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
585 13	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-25	42.1	617 E	-0.2	41.9
10 50	42.2	617	-0.0	42.2
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. *57* 27 16 30

No. *2511* Date *July 27/95*

*Tanner* Machine. Reel.

Turns *37* Cor. + *1* Depth *38*

~~Shot~~ or lead *25 lb*

Bottom *fine s. b. m.*

Bottom temperature *34.8*

No. of thermometer *61755* Cor. *-0.0*

Corrected temperature *34.8*

Air *45* Surface *42* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.3.15</i>	<i>4.27</i>	0		
<i>3.58</i>	<i>4.20.01</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Out of water in 100 fms. Reel.*  
*Caught one crab.*  
*July 27/95*

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	43	63903	-0.2	42.8
10 50	42		-0.0	42.0
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

57° 33' N 165° 35' W

No. 56

Date

Tanner

Machine.

Reel.

Turns 35 Cor. + 1

Depth 36

Shot or lead 27 lb

Bottom gy

Bottom temperature 32

No. of thermometer 61953

Cor. - 0.0

Corrected temperature 32.0

8/10'

Air 43

Surface 42

Drift N.N.W. 1/2 W

Trawl or dredge beam trawl

## SOUNDING WIRE.

## DREDGE ROPE.

Am DOWN.	Am UP.	TURNS.	Am DOWN.	Am UP.
6 34 22	6 41 42	0	7 21 35	
6 35 16	41 05	(100)	7 24 5	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Drift 0.8 miles S. 92 W 1/2 E

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25.	42.2	63903	-0.2	42.3
10 50	42.8		-0.1	42.7
20 100	39.0	61596	+0.2	39.2
30 200	33.1	61597	-0.0	33.5
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

1 garden shell. 1 jar Hermit Crab.  
 1 jar acorn worm. 1 jar sea urchin.  
 1 jar starfish. 1 jar small crab.  
 1 bot. small fish. 1 jar Hydroids.

1155

57° 38' N 105° 20'

No. 3312 H<sub>2</sub> - Date July 27, 1898.

Machine. Reel.

Turns 34 Cor. + 1 Depth 35 fms.

Shot or lead 25.

Bottom fm. S. dk. m.

Bottom temperature 35.5

No. of thermometer 63902 Cor. -0.0

Corrected temperature 35.5

Air 45 Surface 42 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-46.4		0		
46-55	9-40.0	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

8. 70.0  
8. 10.13  
at 10.13

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	41.5	61755	-0.0	41.5
10 50	41.2	63402	-0.0	41.2
15 100	39.5	63402	-0.0	39.5
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

57° 43' N 164° 42' W

No. 3507 Dr Date July 29, 1893

Tanner Machine. V Reel.

Turns 30 Cor. + 1 Depth 31 fms

Shot or lead 25

Bottom fine gy. S

Bottom temperature 37.3

No. of thermometer 61596 Cor. + 0.2

Corrected temperature 37.5

Air 50

Surface 45

Drift 8' N 171° E

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-00	01-05	0	1-00	00
50-00	1-00 113	100	31-00	11
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

14 cord

over surface net at 130  
2 1/2 min.

11.0



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5	41.5	1872		41.5
10	41.5	1872	+0.5	41.0
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS:

1 jar crabs 1 jar live shrimps  
 1 jar of ...  
 2 ...  
 0

No. 3210 Date July 25<sup>th</sup> 1883

Tanner Machine. (Reel.)

Turns 25 Cor. + 1 Depth 26 fms.

Shot or lead 25.

Bottom fine gy. S.

Bottom temperature 41.4

No. of thermometer 65902 Cor. -0.0

Corrected temperature 41.4

Air 44 Surface 42 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Cat. Log - 21.4

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		61596	+0.2	41.2
50				40.2
100				40.2
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3568 Date

Machine. Reel.

Turns 22 Cor. + 1 Depth 23 ms.

Shot or lead 25

Bottom gy. S. Sh.

Bottom temperature 42.0

No. of thermometer 63902 Cor. —

Corrected temperature 42.0

Air 43 Surface 41 Drift 1.00

Trawl or dredge (11.00)

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0  
75  
100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

31-10

50-15  
8-47-24

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

*Drifted down*

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			—	41.7
50			—	42.5
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1 small fish, 1-4 annelid  
 1 cuttle clam shells

*John 23 14 17 165 30 10*

007.

No. *3314* Date *July 1 1893*  
*Tanner* Machine. Reel.

Turns *22* Cor. + *-* Depth *22*

~~Shot or lead~~ *25*

Bottom *- gy S*

Bottom temperature *41.8*

No. of thermometer *61755* Cor. *-*

Corrected temperature *41.8*

Air *43* Surface *41* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-21-30</i>	<i>22-30</i>	0		
<i>22-03</i>	<i>11-22 10</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*P.C. 60-1*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
570	3400	
22	3500	
<u>608</u>	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
15-45	42	60732	-0.0	42.0
10-50	41.5	61755	-0.0	41.5
100-				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. *116 57 21. 156 11 10*

No. *27* Date *July 21/98*

*Tanner* Machine. Reel.

Turns *21* Cor. + *—* Depth *21*

Shot or lead *25 lbs*

Bottom *fine gy. s.*

Bottom temperature *41*

No. of thermometer *61735* Cor. *—*

Corrected temperature *41.0*

Air *42* Surface *41* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*201.28*  
*4.36*

*2.45*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	41.1	103	-0.1	41.0
50	42.2	104	-0.2	42.0
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 2 Date

Machine. Reel.

Turns 211 Cor. + Depth

Shot or lead 25

Bottom m. gy. s.

Bottom temperature 40.1

No. of thermometer 61755 Cor. -

Corrected temperature 40.1

Air 47 Surface 41 Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	48.2	63902	-0.0	48.2
10 50	48.2	61755	-0.0	48.2
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

J.K.H. 2722 A. 107° 04' 10"  
 No. 3317 Date July 30 '93  
 Machine. Reel.

Turns 28 Cor. + 1 Depth 29

Shot or lead 25 lbs

Bottom crs gy S

Bottom temperature 13.7

No. of thermometer 61755 Cor. -

Corrected temperature 37.0

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8-31-28	3-2-1	0		
31-30	8-31-25	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10-20-30 6

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-45	11.1	01754	+0.2	11.2
10-50	10.9	01755	-0.0	10.9
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

117° 29' 45"

No. 3815 Date July 29/92

Machine. Reel.

Turns 35 Cor. + 1 Depth 36

Shot or lead 25 lbs.

Bottom fine gy S g m M

Bottom temperature

No. of thermometer 6175 Cor. -

Corrected temperature 35.5

Air 45 Surface 42 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

51.4

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3319 Hyl<sup>d</sup> Date July 2 1895  
Tanner Machine. — Reel.

Turns 37 Cor. + 1 Depth 38 fms

Shot or lead 25

Bottom fine S. dk. M.

Bottom temperature 37.5

No. of thermometer 61755 Cor. —

Corrected temperature 37.5

Air 46 Surface 42 Drift

Trawl or dredge

# SOUNDING WIRE.

DOWN.

UP.

TURNS.

# DREDGE ROPE.

DOWN.

UP.

5- 2-00

56-30 5-50-40

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	43.0		- 0.0	43.0
50	42.8		- 0.0	42.8
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *168* Date *July 10, 1881*
*Tanner* Machine. Reel.

Turns *35* Cor. + *1* Depth *36 fms*

Shot or lead

Bottom *gy S*

Bottom temperature *36.1*

No. of thermometer *61755* Cor. -

Corrected temperature *36.1*

Air *46* Surface *43* Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*10-26-1*
*27*

0

*25*
*10-27-*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
5.85 13	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5	44.2	63902	-0.0	44.0
10	44.4	63903	-0.2	43.8
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

While taking serial temp  
 kept thermometer about 1/2 in.  
 water surface. Then  
 out of the water & in  
 air.

107. *Rel. 59.24.11. 168.00.15*

No. *1321* Date *July 24/93*

Tanner. Machine. Reel.

Turns *40* Cor. + *1* Depth *41*

Shot or lead *25 lb*

Bottom *Rky. & gy. S.*

Bottom temperature *37*

No. of thermometer *63903* Cor. *-0.2*

Corrected temperature *36.8*

Air *46* Surface *44* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5.22.01</i>	<i>23.08</i>	0		
<i>5.22.24</i>	<i>5.22.25</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	43.2	3900	-0.0	43.2
50	43.0	3900	-0.2	43.2
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Tanner Machine. — (Reel.

Turns 41 Cor. + 1 Depth 42 fms.

Shot or lead 25.

Bottom fine gy. S. bk. Sp.

Bottom temperature 37.5

No. of thermometer 63403 Cor. - 0.2

Corrected temperature 37.3

Air 46 Surface 44 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

6-48-50

5-50

0

40-50

6-40-05

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Pat. log - 3411

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5	41.1		-0.0	41.1
25		6.0	-0.2	41.6
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

16942 16

No. 3509 *Dr* Date *July 31, 1870*  
*Lucas* Machine. Reel.  
 Turns *34* Cor. + *1* Depth *35 fms*  
 Shot or lead *25*  
 Bottom *gy. m. s. sh.*  
 Bottom temperature *41.0*  
 No. of thermometer *63903* Cor. *-0.2*  
 Corrected temperature *40.8*  
 Air *46* Surface *43* Drift *3/10' W. 1/2 S.*  
 Trawl or dredge *Blake*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-09-30</i>		0	<i>11-35-30</i>	
<i>11-50</i>	<i>11-10</i>	100	<i>41</i>	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
585	3700	13
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-25	42.1		-0.1	42.0
10-50	41.8	63712	-0.2	41.6
20-100				
30-200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS:

1 vial, annelids  
1 bot. small crabs

No. 502 Date Aug 1/93

Tanner Machine. Reel.

Turns 26 Cor. + 1 Depth 27.

Shot or lead 35 lbs.

Bottom fh. S. Sh.

Bottom temperature 40.

No. of thermometer 62364 Cor. + 0.1

Corrected temperature 40.1

Air 27 Surface Drift 1.7 mile.

Trawl or dredge Long beam CN N W (m.g.)

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
6:21:30	15:28	0	6:37:25	56:08
15:01		100	40:00	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	43.2	6-118	-0.0	43.5
50	43.2	6-118	+0.1	43.1
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS:

and data

No. 2511 Date Aug 12 1899  
Tanner Machine. — Reel. 0

Turns 38 Cor. + 1 Depth 39 fms.

Shot or lead 35

Bottom fm. s. dk. M.

Bottom temperature 37.3

No. of thermometer 6758 Cor. - 0.1

Corrected temperature 37.2

Air 48 Surface 44 Drift 16

Trawl or dredge large NW x NW

# SOUNDING WIRE.

# DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0	10.30.15	49.45
		100	34.30	10.45.0
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



*July 11 1893* *Lat 35° 10' N* *Long 169° 27' W*

No. *3510* Date *Aug 1 1893*  
 Tanner Machine. Reel.  
 Turns *37* Cor. + *1* Depth *38 fms*  
 Shot or lead *25*  
 Bottom *fine gy. sh. gy. M.*  
 Bottom temperature *36.8*  
 No. of thermometer *63702* Cor. *-0.2*  
 Corrected temperature *36.6*  
 Air *49* Surface *45* Drift *5' NE (avg)*  
 Trawl or dredge *12' beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-31 20</i>	<i>32-10</i>	<i>80</i>	<i>1-52-30</i>	<i>09-25</i>
<i>34 35</i>	<i>1-20</i>	<i>80</i>	<i>50 0</i>	<i>2-06 25</i>
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*2 mi*  
*P. Log 40.1*  
*at 1.50*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	44	62702	-0.1	43.9
10 50	43.8	62703	-0.1	43.7
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

at 500 ft. crabs 2 species, 2 starfish  
 1 flounder, few worms 24 small  
 shells, 5 species 1 fish under a  
 few hermit crabs 2 live clams on floor  
 (shells of crabs) many acidine

58° 5' N 159° 12' W

No. 3323 Hyd Date Aug 1, 1905

Tanner Machine. Reel.

Turns 37 Cor. + 1 Depth 38

Shot or lead 25 lbs

Bottom fine S. sh. m.

Bottom temperature 32

No. of thermometer 6590 Cor. - 0.2

Corrected temperature 31.8

Air 47 Surface 45 Drift 3 mile

Trawl or dredge S. G. dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4:15 4:32  
4:50 5:07

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

60.5.  
10 fms. over the bottom  
Can. sh. nothing.



2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	43.9	617	-0.1	43.8
10 50	43.0	1503	-0.1	42.9
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

58° 27' N 169° 01' W

No. 5010 Date Aug. 1-1892

Machine. — Reel.

Turns 34 Cor. + 1 Depth 35 fms

Shot or lead

Bottom gy. s. m.

Bottom temperature 66.1

No. of thermometer 63913 Cor.

Corrected temperature

Air 46 Surface 42 Drift 7 2/3 N

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	7-57-00	2-10
		100	8-01-30	8-15-00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



*July 1st 1897. 38° 40' 30" N 168° 40' 15" W*

No. 3324 Hyd. Date Aug 1 1893.

Tanner Machine. Reel.

Turns 29 Cor. + 1 Depth 30 fms

Shot or lead 25 lbs.

Bottom fine gy. S. M.

Bottom temperature 34.1

No. of thermometer 65903 Cor. - 0.2

Corrected temperature 33.9

Air 14.4 Surface 14.3 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P. 11/2</i>				
10-44-20	45-25	0		
44-45	10-41-30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3323 Date Aug 72

Machine. Reel.

Turns 23 Cor. + 1 Depth 24

Shot or lead 25 lb

Bottom fine gy S. sh. sp.

Bottom temperature 40

No. of thermometer 63903 Cor. - 0.2

Corrected temperature 39.8

Air 43 Surface 42 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Down.	Up.		Down.	Up.
1. 16. 03	1. 15. 01	0		
16. 21	1. 16. 24	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	13
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

59° 22' 15" 16002.12

No. 3514.5 Date Aug. 2-

Tanner Machine. — Reel.

Turns 20 Cor. + 1 Depth 21 fms -

Shot or lead 25.

Bottom fw. gy. S

Bottom temperature

No. of thermometer 63403 Cor. -0.2

Corrected temperature 40.8

Air 40 Surface 40 Drift 6/10'

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

11-29-00

48-0

100

34-00

4-45-15

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

11 1/2  
2.0

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	40.5	69480	4.01	40.6
10 50	41.0	65903	-0.2	40.8
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

4. (2 sps) small S. lounsburyi; 1. 1 sp. very  
 Scorpion; 3 sp.  
 Small Pollock; ?  
 2 sps. Small Crabs; 1 sp. Hermit Crab sp.  
 1 sp. Sand Dollar; small crust. Decapod;  
 1 pt. Shrimps; 1 star; 1 Basket Star.  
 1 sp. small fish

59° 41' N 168° 06' W

No. 3326 Hgt Date Aug. 2-1891

Tanner Machine. — Reel.

Turns 21 Cor. + 1 Depth 22 fms

Shot or lead 25

Bottom fw. gy. S. Sh

Bottom temperature 41.0

No. of thermometer 63414 Cor. - 0.1

Corrected temperature 41.1

Air 42 Surface 41 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	41.1	1	-0.1	41.1
10 50	41.1	1	-0.1	41.1
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1007. 59-55-N, 167-00-W

No. 350 Date Aug 2, 1900  
 Machine. Reel.  
 Turns Cor. + Depth 14 fms  
 Shot or lead  
 Bottom gy S  
 Bottom temperature  
 No. of thermometer Cor.  
 Corrected temperature  
 Air 42 Surface 42 Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

59.56 m; 167.54 m

No. 3328 Hyd Date Aug 2, 1893  
Tanner Machine. Reel. 1

Turns Cor. + Depth 16

Shot or lead 15 lb net ten

Bottom gy S. br S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 42 Surface 42 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10-22

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

57-58 N. 107-58 W.

No. 3357 Date Aug 2, 1881

Tanner Machine. Reel.

Turns Cor. + Depth 14 fms

Shot or lead Bassnet tube

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 42 Surface 42 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1711		0		
10-37		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns 13 Cor. + —

Depth 13 fms

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor. - 0.2

Corrected temperature

Air

Surface

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	42	63902	-0.0	42.0
10-50	42	63903	-0.2	41.8
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS: 2 small mussels  
 hydroids, few small crustaceans  
 1 sp. ascidians

*John H. 60° 00' N; 167° - 13' W.*

No. *220* Date *Aug 2, 1873.*

*Tanner* Machine. Reel.

Turns : Cor. + Depth *14 fms*

Shot or lead *10 lb*

Bottom *fine gy S*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *42* Surface *42* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-5</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

60° 01' - 30" N; 167° 54' W

No. 3331 Date Aug 2, 1883

Machine. Reel.

Turns Cor. + Depth 14 fms

Shot or lead 10 lbs

Bottom fine

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 42 Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-50		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

075

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

60-03' N, 167-15 W

No. 3332 Date

Machine. Reel.

Turns Cor. + Depth 141 m

Shot or lead 135 lb tube

Bottom fine gy

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 42 Surface 42 Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

597.

60 - 05 - 17, 169 - 156 m

No. 3334 Date Aug 2, 1902

Tanner Machine.

Reel.

Turns Cor. + Depth 15 fms

Shot or lead 12

Bottom fine gy S.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 42

Surface 42

Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. 06° 30' N. Long. 167° 07' W.

No. 117 Date Aug 2 92

Tanner Machine. Reel.

Turns Cor. + Depth 16 fms.

Shot or lead 35 lb

Bottom fine g. s.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 42 Surface 42 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.35		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. *60-01 W. 167-58 W.*

No. *3225* Date *Aug 1902*

Tanner Machine. Reel.

Turns Cor. + Depth *15 fms.*

Shot or lead *Bassnet hook*

Bottom *fine gy. S.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *47* Surface *47* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*12.50.*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25'				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

60-07-20 167-5-9 11

No. 3335 Hyd. Date

Tanner. Machine. Reel.

Turns Cor. + Depth 15 fms

Shot or lead

Bottom fine gy. s. b. sh.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 47 Surface 47 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 15		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25'				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

60-11-27 168-0-0

No. 307 Date Aug 27

Tanner Machine. Reel.

Turns Cor. + Depth 16 fms.

Shot or lead Bassnet tube

Bottom fine gy. S.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 42 Surface 42 Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1. 20

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

60 - 13 N. 168 - 01 - 00 W.

No. 3358 Hyd. Date: August 1st 1882

Tanner Machine. Reel.

Turns Cor. + Depth 16 fms

Shot or lead 35 lbs

Bottom fine gy S. m. s.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 42 Surface 42 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1.35

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

35 lbs

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

14-30  
60 - ~~14-30~~ 168-02 W

No. 3229 Date Aug 17

Cummes Machine. Reel.

Turns Cor. + Depth 16 fms

Shot or lead Basinet tube

Bottom fine gy S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 42 Surface 42 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-50		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

8.0

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. 60. 16 45; 169. 03 18

No. 334 Date Aug 1/00

Sigsbee Machine. Reel.

Turns Cor. + Depth 16 fms.

Shot or lead 35 lbs.

Bottom fine gy S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 43 Surface 43 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

60-17-24 160-1/10

No. 114 Date 11/1/11

Machine. Reel. 6

Turns Cor. + Depth 16 fms

Shot or lead Bassinet Sub

Bottom fine gy. S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 43 Surface 43 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.20		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. 188-05-18

No. 3344 Date Aug 19 1880

Tanner Machine. Reel.

Turns Cor. + Depth 16 fms

Shot or lead Bassnet Tube

Bottom fine gy S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 43 Surface 43 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
21.35		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

607.

SRS 60-21M; 168-05-M

No. 3343 Hyd Date Aug 2/93

Sinner Machine. Reel.

Turns Cor. + Depth 17 fms

Shot or lead Bassnet tube

Bottom fine gy S &amp; brk Sh.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 43 Surface 43 Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

2.50

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Right to Left -  
Akutan NAA -

$8\frac{1}{2}'$  SSW  $\frac{3}{4}$  W  
 $6\frac{1}{2}'$  SE  $\frac{5}{8}$  E.  
7' E. (true)  
5' NE  $\frac{1}{8}$  E -  
 $2\frac{1}{3}'$  NNW  $\frac{1}{4}$  W  
 $10\frac{1}{2}'$  NNW  $\frac{1}{2}$  W

---

Akun

✓ 2' SW  $\frac{1}{2}$  S  
✓ - 2' SE  $\frac{1}{2}$  E  
- 2' SSE.  
✓ 5' S  $\frac{3}{4}$  W  
✓  $4\frac{1}{2}'$  SE  $\frac{1}{4}$  E

NN  $\frac{3}{4}$  E

$2\frac{3}{4}$  to mid of d'd  
- 6 to 10<sup>15</sup> Pt  
 $8\frac{3}{4}$  to 2<sup>nd</sup> "

---

$2\frac{1}{2}'$  N. true

$1\frac{2}{3}'$  ~~SS  $\frac{1}{2}$  E~~ NNW  $\frac{1}{2}$  W

4' NNW  $\frac{1}{4}$  W

---

SSS ~~NNW~~ -  $1\frac{3}{4}'$

E. true 2'

WSW  $4\frac{3}{4}'$

NNW  $\frac{3}{4}$

SW  $\times$  NW  $\frac{1}{2}$  W  $2\frac{2}{3}$

NNW . 1

## Tigalda —

No. end to commence, & then  
round North. west end —

---

$N\frac{1}{2}S - 2\frac{1}{2}$  ;  $NSW. 5\frac{3}{4}$  ;  
 $SW\frac{1}{4}S - 4$  ;  $S. (true) \frac{1}{2}$  ;  
 $ENE\frac{1}{2}E. 10\frac{1}{4}$  ;  $N\frac{1}{2}S 2\frac{1}{2}$

---

## Avatanok Id. —

Do round same way - commencing  
at SS end .

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$NN\frac{3}{4}W. 2\frac{1}{2}$   
 $SW\frac{3}{4}W. 8\frac{1}{2}$   
East  $3\frac{3}{4}$  ' ~~NSW~~  $NE\frac{3}{4}E. 6\frac{1}{2}$

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